

Amendments to the Claims:

This listing of claims will replace all prior versions and listings of claims in the application:

Listing of Claims:

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- 1 **Claim 1** (presently presented): A data processing system implemented method for managing data from a plurality of ancillary systems comprising:
 - 3 receiving a request for a value of a data item;
 - 4 identifying an ancillary system associated with the requested data item;
 - 5 determining whether data stored in the ancillary system is conducive to being processed into the value;
 - 7 retrieving the data from one of the ancillary system and the data processing system based on whether data stored in the ancillary system is conducive to being processed into the value;
 - 10 processing the data into the value for the data item; and
 - 11 returning the requested value for the data item.
 - 1 **Claim 2** (original): The data processing system implemented method recited above in claim 1, wherein the data is retrieved from the data processing system, the method further comprises:
 - 4 identifying all data updated in the ancillary system since a last block transfer of data to the data processing system;
 - 6 requesting a block transfer of updated data from the ancillary system; and
 - 7 copying the block of updated data to the data processing system.

- 1 **Claim 3** (original): The data processing system implemented method recited above in
2 claim 2, wherein processing the data into the value for the data item is performed
3 subsequent to copying and prior to receiving the request.
- 1 **Claim 4** (original): The data processing system implemented method recited above in
2 claim 2, wherein processing the data into the value further comprises aggregating the
3 data into a value for the data item.
- 1 **Claim 5** (original): The data processing system implemented method recited above in
2 claim 1, wherein the data item is financial information.
- 1 **Claim 6** (original): The data processing system implemented method recited above in
2 claim 2, wherein the data-processing system further comprises rules for managing
3 data, said rules comprise:
4 rules for identifying an ancillary system that is associated with a data item; and
5 rules for determining whether data stored in the ancillary system is conducive to
6 being processed into the value.
- 1 **Claim 7** (original): The data processing system implemented method recited above in
2 claim 1, wherein the data is retrieved from the ancillary system, and retrieving the
3 data further comprises:
4 attempting to contact the ancillary system;
5 querying the ancillary system for the data; and
6 receiving the data from the ancillary system.

1 **Claim 8** (presently presented): The data processing system implemented method recited
2 above in claim 1, wherein retrieving the data from one of the ancillary systems and
3 the data processing system further comprises:

4 attempting to contact the ancillary system based on the data stored in the ancillary
5 system being conducive to being processed into the value; and
6 receiving the data from the data processing system based on the ancillary system
7 being unresponsive.

1 **Claim 9** (currently amended): The data processing system implemented method recited
2 above in claim 2, wherein the ancillary system is a first ancillary system and the
3 request is a first request for a first value for a first data item, the method further
4 comprises:

5 receiving a second request for a value of a second data item;
6 identifying a second ancillary system associated with the second data item;
7 determining whether data stored in the second ancillary system is conducive to
8 being processed into the value;
9 retrieving the data from the second ancillary system based on the data stored in
10 the second ancillary system being conducive to being being processed into
11 the value;
12 processing the data into the value for the second data item; and
13 returning the requested value for the second data item.

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1 **Claim 10** (currently amended): The data processing system implemented method recited
2 above in claim 1[[,]] further comprises:

3 catching a message, wherein the message was generated by an ancillary system
4 using a set of content rules and the message conforms to a message standard;
5 opening the message;
6 identifying the ancillary system based on the message;
7 accessing content conversion rules based on the identity of the ancillary system;
8 converting content from the message to enterprise information using the content
9 conversion rules; and
10 storing the enterprise information in the data processing system.

1 **Claim 11** (original): The data processing system implemented method recited above in
2 claim 7, wherein the ancillary system is a first ancillary system and the request is a
3 first request for a first value for a first data item, the method further comprises:
4 receiving a second request for a value of a second data item;
5 identifying a second ancillary system associated with the second data item;
6 determining whether data stored in the second ancillary system is conducive to
7 being processed into the value;
8 retrieving the data from the data processing system based on the data stored in the
9 second ancillary system not being conducive to being processed into the
10 value;
11 processing the data into the value for the second data item; and
12 returning the requested value for the second data item.

- 1 **Claim 12** (original): The data processing system implemented method recited above in
2 claim 1, wherein the data item is a line item in a document.
- 1 **Claim 13** (original): The data processing system implemented method recited above in
2 claim 1, wherein the data item relates to financial information, and the financial
3 information is in a document.
- 1 **Claim 14** (original): The data processing system implemented method recited above in
2 claim 1, wherein prior to identifying an ancillary system associated with the requested
3 data item the method comprises:
4 calling a security model for requestor security information;
5 receiving the requestor security information from the security model; and
6 accessing a security key related to the requested data item based on the requestor
7 security information.
- 1 **Claim 15** (original): The data processing system implemented method recited above in
2 claim 1, wherein prior to identifying an ancillary system associated with the requested
3 data item the method comprises:
4 determining whether the data item relates to employee information or financial
5 information;
6 accessing management organizational information; and
7 determining whether to return the requested data item value based on the
8 requestor having access to the employee information.

- 1 **Claim 16** (original): The data processing system implemented method recited above in
- 2 claim 14, further comprises:
 - 3 prior to calling a security model for requestor security information, determining
 - 4 whether the data item relates to employee information or financial
 - 5 information; and
 - 6 determining whether to return the requested data item value based on the security
 - 7 key.
- 1 **Claim 17** (original): The data processing system implemented method recited above in
- 2 claim 2, prior to identifying all data updated in the ancillary system since a last block
- 3 transfer of data to the data processing system the method further comprises:
 - 4 monitoring a clock for a predetermined time interval.
- 1 **Claim 18** (original): The data processing system implemented method recited above in
- 2 claim 1, wherein the ancillary system is a first ancillary system and the request is a
- 3 first request for a first value for a first data item, the method further comprises:
 - 4 receiving a second request for the value of a second data item;
 - 5 identifying an auxiliary datastore associated with the second data item; and
 - 6 retrieving the value for the data item from the auxiliary datastore.

- 1 **Claim 19** (currently amended): The data processing system implemented method recited
2 above in claim 18[[,]] further comprises:
3 identifying an ancillary system related to the auxiliary datastore;
4 identifying all data updated in the ancillary system since a last block transfer of
5 data to the auxiliary datastore;
6 requesting a block transfer of updated data from the ancillary system; and
7 copying the block of updated data to the auxiliary datastore.
- 1 **Claim 20** (original): The data processing system implemented method recited above in
2 claim 1, wherein the data is retrieved from the data processing system, the method
3 further comprises:
4 identifying all data updated in the ancillary system since a last block transfer of
5 data to the data processing system;
6 truncating a data table in the data process system, wherein the data table contains
7 data items derived from the data stored in the ancillary system;
8 requesting a block transfer of updated data from the ancillary system;
9 copying the block of updated data to the data processing system; and
10 reconstructing the data table with the updated data.

1 **Claim 21** (original): A computer-readable storage medium storing program instructions
2 for execution on a data processing system which when executed cause the data
3 processing system to perform a method for managing data from a plurality of
4 ancillary systems comprising:

5 receiving a request for a value of a data item;
6 identifying an ancillary system associated with the requested data item;
7 determining whether data stored in the ancillary system is conducive to being
8 processed into the value;
9 retrieving the data from one of the ancillary system and the data processing
10 system based on whether data stored in the ancillary system is conducive to
11 being processed into the value;
12 processing the data into the value for the data item; and
13 returning the requested value for the data item.

1 **Claim 22** (original): The computer-readable storage medium recited above in claim 21,
2 wherein the data is retrieved from the data processing system, the method further
3 comprises:

4 identifying all data updated in the ancillary system since a last block transfer of
5 data to the data processing system;
6 requesting a block transfer of updated data from the ancillary system; and
7 copying the block of updated data to the data processing system.

1 **Claim 23** (original): The computer-readable storage medium recited above in claim 22,
2 wherein processing the data into the value for the data item is performed subsequent
3 to copying and prior to receiving the request.

1 **Claim 24** (original): The computer-readable storage medium recited above in claim 22,
2 wherein processing the data into the value further comprised aggregating the data into
3 a value for the data item.

1 **Claim 25** (original): The computer-readable storage medium recited above in claim 21,
2 wherein the data item is financial information.

1 **Claim 26** (original): The computer-readable storage medium recited above in claim 22,
2 wherein the data processing system further comprises rules for managing data, said
3 rules comprise:

4 rules for identifying an ancillary system that is associated with a data item; and
5 rules for determining whether data stored in the ancillary system is conducive to
6 being processed into the value.

1 **Claim 27** (original): The computer-readable storage medium recited above in claim 21,
2 wherein the data is retrieved from the ancillary system, and retrieving the data further
3 comprises:

4 attempting to contact the ancillary system;
5 querying the ancillary system for the data; and
6 receiving the data from the ancillary system.

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- 1 **Claim 28** (presently presented): The computer-readable storage medium recited above in
2 claim 21, wherein retrieving the data from one of the ancillary systems and the data
3 processing system further comprises:
4 attempting to contact the ancillary system based on the data stored in the ancillary
5 system being conducive to being processed into the value; and
6 receiving the data from the data processing system based on the ancillary system
7 being unresponsive.
- 1 **Claim 29** (original): The computer-readable storage medium recited above in claim 22,
2 wherein the ancillary system is a first ancillary system and the request is a first
3 request for a first value for a first data item, the method further comprises:
4 receiving a second request for a value of a second data item;
5 identifying a second ancillary system associated with the second data item;
6 determining whether data stored in the second ancillary system is conducive to
7 being processed into the value;
8 retrieving the data from the second ancillary system based on the data stored in
9 the second ancillary system being conducive to being processed into the
10 value;
11 processing the data into the value for the second data item; and
12 returning the requested value for the second data item.

1 **Claim 30** (original): The computer-readable storage medium recited above in claim 21
2 further comprises:

3 catching a message, wherein the message was generated by an ancillary system
4 using a set of content rules and the message conforms to a message standard;
5 opening the message;
6 identifying the ancillary system based on the message;
7 accessing content conversion rules based on the identity of the ancillary system;
8 converting content from the message to enterprise information using the content
9 conversion rules; and
10 storing the enterprise information in the data processing system.

1 **Claim 31** (original): The computer-readable storage medium recited above in claim 27,
2 wherein the ancillary system is a first ancillary system and the request is a first
3 request for a first value for a first data item, the method further comprises:

4 receiving a second request for a value of a second data item;
5 identifying a second ancillary system associated with the second data item;
6 determining whether data stored in the second ancillary system is conducive to
7 being processed into the value;
8 retrieving the data from the data processing system based on the data stored in the
9 second ancillary system not being conducive to being processed into the
10 value;
11 processing the data into the value for the second data item; and
12 returning the requested value for the second data item.

13 **Claim 32** (original): The computer-readable storage medium recited above in claim 21,
14 wherein the data item is a line item in a document.

- 1 **Claim 33** (original): The computer-readable storage medium recited above in claim 21,
2 wherein the data item relates to financial information, and the financial information is
3 in a document.

- 1 **Claim 34** (original): The computer-readable storage medium recited above in claim 21,
2 wherein prior to identifying an ancillary system associated with the requested data
3 item the method comprises:
4 calling a security model for requestor security information;
5 receiving the requestor security information from the security model; and
6 accessing a security key related to the requested data item based on the requestor
7 security information.

- 1 **Claim 35** (original): The computer-readable storage medium recited above in claim 21,
2 wherein prior to identifying an ancillary system associated with the requested data
3 item the method comprises:
4 determining whether the data item relates to employee information or financial
5 information;
6 accessing management organizational information; and
7 determining whether to return the requested data item value based on the
8 requestor having access to the employee information.

1 **Claim 36 (original):** The computer-readable storage medium recited above in claim 34,
2 further comprises:

3 prior to calling a security model for requestor security information, determining
4 whether the data item relates to employee information or financial
5 information; and
6 determining whether to return the requested data item value based on the security
7 key.

1 **Claim 37 (original):** The computer-readable storage medium recited above in claim 22,
2 prior to identifying all data updated in the ancillary system since a last block transfer
3 of data to the data processing system, the method further comprises:

4 monitoring a clock for a predetermined time interval.

1 **Claim 38 (original):** The computer-readable storage medium recited above in claim 21,
2 wherein the ancillary system is a first ancillary system and the request is a first
3 request for a first value for a first data item, the method further comprises:

4 receiving a second request for a value of a second data item;
5 identifying an auxiliary datastore associated with the second data item; and
6 retrieving the value for the data item from the auxiliary datastore.

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1 **Claim 39** (original): The computer-readable storage medium recited above in claim 38
2 further comprises:

3 identifying an ancillary system related to the auxiliary datastore;
4 identifying all data updated in the ancillary system since a last block transfer of
5 data to the auxiliary datastore;
6 requesting a block transfer of updated data from the ancillary system; and
7 copying the block of updated data to the auxiliary datastore.

1 **Claim 40** (original): The computer-readable storage medium recited above in claim 21,
2 wherein the data is retrieved from the data processing system, the method further
3 comprises:

4 identifying all data updated in the ancillary system since a last block transfer of
5 data to the data processing system;
6 truncating a data table in the data process system, wherein the data table contains
7 data items derived from the data stored in the ancillary system;
8 requesting a block transfer of updated data from the ancillary system;
9 copying the block of updated data to the data processing system; and
10 reconstructing the data table with the updated data.

- 1 **Claim 41** (currently amended): An enterprise data processing system for managing
2 ancillary data from a plurality of ancillary systems comprising:
3 an enterprise data processor;
4 an enterprise database for storing data, ancillary system access rules, and ancillary
5 data processing rules, said enterprise database being operationally connected
6 to said enterprise data processor; **and**
7 an ancillary system data transfer mechanism for transferring data from a plurality
8 of ancillary systems based on whether data stored in an ancillary system is
9 conducive to being processed into a data item value, said ancillary system data
10 transfer mechanism being operationally connected to the plurality of ancillary
11 systems.
- 1 **Claim 42** (original): The enterprise data processing system recited above in claim 41,
2 wherein the ancillary system data transfer mechanism identifies all data updated in
3 the ancillary system since a last block transfer of data to the enterprise database;
4 requesting a block transfer of updated data from the ancillary system; and
5 copying the block of updated data to the enterprise database.
- 1 **Claim 43** (original): The enterprise data processing system recited above in claim 42,
2 wherein the ancillary system data transfer mechanism processes the data into the data
3 item value subsequent to copying.
- 1 **Claim 44** (original): The enterprise data processing system recited above in claim 42,
2 wherein the ancillary system data transfer mechanism processes the data into the
3 value further comprising an aggregator for aggregating the data into a value for the
4 data item.

- 1 **Claim 45** (original): The enterprise data processing system recited above in claim 41,
2 wherein the data item is financial information.

- 1 **Claim 46** (original): The enterprise data processing system recited above in claim 42,
2 wherein the enterprise database stores rules for identifying an ancillary system that is
3 associated with a data item and rules for determining whether data stored in the
4 ancillary system is conducive to being processed into the value.

- 1 **Claim 47** (currently amended): The enterprise data processing system recited above in
2 claim 41, wherein the ancillary system data transfer mechanism further comprises:
3 communication connections for contacting the ancillary system and receiving data
4 therefrom; **and**
5 logic for querying the ancillary system for the data; and
6 receiving the data from the ancillary system.

- 1 **Claim 48** (presently presented): The enterprise data processing system recited above in
2 claim 41, wherein the enterprise is a healthcare provider.

- 1 **Claim 49** (currently amended): The enterprise data processing system recited above in
2 claim 41[[,]] further comprises:
3 an automated interface for catching messages and redirecting the messages to the
4 ancillary system data transfer mechanism.

- 1 **Claim 50** (presently presented): The enterprise data processing system recited above in
2 claim 41, wherein the data item relates to either enterprise employee information or
3 financial information.

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- 1 **Claim 51 (new):** The enterprise data processing system recited above in claim 10,
 - 2 wherein the caught message was generated spontaneously by the message-generating
 - 3 ancillary system.

 - 1 **Claim 52 (new):** The enterprise data processing system recited above in claim 30,
 - 2 wherein the caught message was generated spontaneously by the message-generating
 - 3 ancillary system.
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